

# **VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY**

## **DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**



### **Departmental Report**

(JAN-2019 TO MARCH-2019)

ACADEMIC YEAR 2018-2019(Even Semester)

## FACULTY CONTRIBUTION

### ● Workshops/Courses Attended by Faculties

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Nature of linkage
1.	Green Internet Of things	CAPGEMINI, EXTC department, VESIT	2018-2019	STTP
2.	Effective Engineering teaching in practice	Indian Institute of Technology Madras	2018-2019	NPTEL course
3.	Internet of Things	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course
4.	DTSP	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course
5.	An Introduction to Information Theory	Indian Institute of Technology Kanpur	2018-2019	NPTEL course
6.	Introduction to Electromagnetic Theory	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course
7.	Microwave Theory and Techniques	IITB	2018-2019	NPTEL course
8.	Introduction to wireless & cellular communication	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course
9.	Digital Circuits	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course
10.	Introduction to machine learning	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course
11.	Microprocessors and microcontrollers	Indian Institute of Technology Kharagpur	2018-2019	NPTEL course

● **Orientation Programs**

Sr. No.	Organized By	Course description	Attended by	Date	Number of days
1.	AP Shah college of Engineering, Thane	Computer communications and networks	Ms. Nikita Ramrakhiani	11/01/2019	1 Day
2.	On behalf of Mumbai University, A.P. Shah Institute of Technology, Thane, organised orientation programme	Microcontroller & Applications/TE/SEM-VI	Mr. Gaurav Tawde, Mrs. Pallavi G., Mr. Shobhit K. Khandare	17/01/2019	1 Day
3.	VESIT, EXTC department	Image Processing and Machine Vision	Mrs. Ashwini Sawant, Mrs. Manisha Joshi, Mr. Ajinkya Valanjoo, Mr. Shobhit Khandare, Mrs. Anuradha Jadiya, Mrs. Jyoti. D., Mrs. Monali C.	10/01/2019	1 Day

● **Workshop/Courses Conducted by Faculties**

Sr. No.	Conducted by	Course Description	Organized by	Date	Number of days
1.	CAPGEMINI	Green Internet Of things	EXTC Department, VESIT	2/01/2019-08/01/2019	1 Week
2.	TINKERERS Lab	Open CV, Python, Raspberry-Pi	EXTC Department, VESIT	23/02/2019, 24/02/2019, 25/02/2019	3 Days

● **Courses Attended by Faculty**

Sr.No.	Attended By	Course description	Organized by	Date	No of days
1	Mrs.Manisha Joshi,Mrs. Ashwini Sawant,Mr.Ajinkya V.	DTSP	R.A.I.T,Nerul	05/07/2018	1Day
2	Mrs.Anuradha Jadiya,Mrs.Nusrat Ansari,Mrs .Himali Patel	Digital Communication	Vidyalankar Institute of Technology,Wadala	06/07/2018	1Day
3	Mrs.Nandini Ammanagi,Mrs. Ashwini Sawant,Mr.Sanjay Mirchandani	Electromagnetics Engineering	K.J.Somaiya Institute of Engineering and Information Technology,sion	06/07/2018	1Day
4	Mr.Mrugendra V.	Microelectronics	K.J.Somaiya Institute of Engineering and Information Technology,sion	07/07/2018	1Day
5	Mrs.Neeta Chahvan,Mr.Sanjay Mirchandani,Ajinkya Valanjoo	Data Compression and encryption	L.T.C.O.E,Koperkhairane	12/7/2018	1Day
6	Mr.Gaurav Tawde, Mrs.Pallavi G., Mr. Shobhit K. Khandare	Microprocessor and Peripheral Interfacing	A.P. Shah Institute of Technoloy,Thane	18/07/2018	1Day
7	Mr.Sanjay Mirchandani,Ajinkya Valanjoo	Open source Technology for Communication Lab	Rizvi College of Engineering,Bandra	13/07/2018	1Day
8	Mr.Gaurav Tawde	TV & Video Engineering/TE/SEM-V/ Elective	On behalf of Mumbai University, Thadomal Sahani Engineering College, Bandra, organised orientation programme	13/07/2018	1Day
9	DR C.D.RAWAT(CONDUCTED)	ELECTROMAGBETIC ENGINEERING	K J SOMAIYA INSTITUTE OF TECHBOLOGY SION		1Day
10	Ms. Nikita Ramrakhiani	Computer communications and networks	AP Shah college of Engineering, Thane	11/01/2019	1Day
11	Mr.Gaurav Tawde, Mrs.Pallavi G., Mr. Shobhit K. Khandare	Microcontroller & Applications/TE/SEM-VI	On behalf of Mumbai University, A.P. Shah Institute of Technology, Thane, organised orientation programme	17/01/2019	1Day

● **NPTEL Certifications**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>NPTEL Course Description</b>	<b>Organized by</b>	<b>Period</b>	<b>Score</b>
1.	Mrs. Shoba Krishnan	Effective Engineering Teaching in practice	Indian Institute of Technology Madras	4 weeks	90%
2.	Mrs. Anuradha Jadiya	An Introduction to Information Theory	Indian Institute of Technology Kanpur	8 Weeks	67%
3.	Mr. Gaurav Tawade	Microprocessors & Microcontrollers	Indian Institute of Technology Kharagpur	12 weeks	75%
4.	Mrs Nusrat Ansari	An Introduction to Information Theory	Indian Institute of Technology Kanpur	8 Weeks	64%
5.	Mrs.Manisha Joshi	DTSP	Indian Institute of Technology Kharagpur	8 weeks	60%
6.	Dr Saylee Gharge	Effective Engineering Teaching in practice	Indian Institute of Technology Madras	4 weeks	78%
7.	Dr Saylee Gharge	Internet of Things	Indian Institute of Technology Kharagpur	12 weeks	71%
8.	Mr. Sanjay Mirchandani	Introduction to Electromagnetic Theory	Indian Institute of Technology Kharagpur	8 Weeks	43%
9.	Mr. Sanjay Mirchandani	Microwave Theory and Techniques	IITB	12 Weeks	63%
10.	Mrs. Ashwini Sawant	Discrete Time Signal Processing	Indian Institute of Technology Kharagpur	8 weeks	58%
11.	Mrs. Jyoti Bagate	Discrete Time Signal Processing	Indian Institute of Technology Kharagpur	8 weeks	46%

12.	Mr.Ajinkya Valanjoo	Internet of Things	Indian Institute of Technology Kharagpur	12 weeks	67%
13.	Mrs. Neeta Chavan	Introduction to machine learning	Indian Institute of Technology Kharagpur	8 weeks	67%
14.	Mr. Chintan Jethva	Introduction to wireless & cellular communication	Indian Institute of Technology Kharagpur	12 weeks	75%
15.	Mr. Chintan Jethva	Digital Circuits	Indian Institute of Technology Kharagpur	12 weeks	74%
16.	Ms. Pallavi Gangurde	Digital Circuits	Indian Institute of Technology Kharagpur	12 weeks	62%
17.	Mrs. Himali Patel	Digital Circuits	Indian Institute of Technology Kharagpur	12 weeks	85%
18.	Mr. Gaurav Tawade	Digital Circuits	Indian Institute of Technology Kharagpur	12 weeks	68%

### Research Forum Activities

#### • Expert Talks

Sr. No.	Date	Name of the Expert	Designation & Organisation	Topic	Attended By
1	1 <sup>st</sup> Aug 2018	Mr. Sharad Gandhi	ASIAUS Systems	Technology Trends – Perspective	Faculties & Students

• **Minor Research Grant Proposals**

	<b>Name of Faculty</b>	<b>Title of Project</b>	<b>Domain</b>	<b>Sanctioned Amount</b>
<b>1</b>	Mr. Ajinkya Valanjoo	Air Polution Monitoring System using WSN	Wireless Sensor Networks	25000/-
<b>2</b>	Mrs. Himali Patel	Smart Vehicle for physically challenged people.	Embedded Systems	20000/-
<b>3</b>	Mrs. Neeta Chavan	Infant Incubator intelligent control system.	IoT	25000/-

• **Research Paper Published**

<b>Publication - Author List</b>	<b>Publication - Affiliation of Authors</b>	<b>Publication - National / International</b>	<b>Publication - Journal / Conference</b>	<b>Publication - Name of The Journal / Conference</b>	<b>Publication - ISBN Number</b>
Mrs. Monali Chaudhari	Face detection using Viola Johns algorithm and Neural Network	International	Conference	IEEE International Conference ICCUBEA 2018 Proceedings with all Accepted and Presented Papers will be submitted to IEEE Explore and will be indexed by SCOPUS.	IEEE International Conference ICCUBEA 2018 Proceedings with all Accepted and Presented Papers will be submitted to IEEE Explore and will be indexed by SCOPUS.
Dr.Saylee Gharge	Optimal Thresholding in Direct binary	International	Conference	International conference on Emerging research in computing,information,comm	International conference on Emerging research in computing,information,communicati

	search visual cryptography for enhanced bank locker system			unication and applications,ERCICA ,JULY 2018,Springer	on and applications,ERCICA ,JULY 2018,Springer
	Enhanced security for military grid reference system using visual cryptography	International	Conference	9th International conference on computing,communication and networking technologies ICCCNT,July2018,Bengaluru	9th International conference on computing,communication and networking technologies ICCCNT,July2018,Bengaluru
	Half tone cryptography for color images using error diffusion and direct binary search	International	Conference	International conference on photonics,signal processing and communication technologies ICPSPCT,July 2018,Banglore,in association with springer	International conference on photonics,signal processing and communication technologies ICPSPCT,July 2018,Banglore,in association with springer
	Half tone cryptography for gray images using error diffusion and direct binary search	International	Conference	Intenational conference on Trends in electronics and informatics ICOEI,IEEE Conference,May 2018	International conference on Trends in electronics and informatics ICOEI,IEEE Conference,May 2018



Dr.R.K.Kulkarni	"Diffusion Based Multiresolution Filtering Algorithms For Accurate Abnormelity Detection In Medical Images"	International	Journal (Open Access)	Advances in Science, Technology and Engineering Systems ) Journal, Special Issue on Multidisciplinary Sciences and Engineering, Directory of Open Access Journals (DOAJ) , (ISSN: 2415-6698}.	Advances in Science, Technology and Engineering Systems ) Journal, Special Issue on Multidisciplinary Sciences and Engineering, Directory of Open Access Journals (DOAJ) , (ISSN: 2415-6698}.
	Medical Image Enhancement Using Hybrid Techniques for Accurate Anomaly Detection And Malignancy Predication,"	International	Conference	The Proceedings of 2018 9th {Third International Congress On Information And Communication Technology, 978-981-13-1164-2, 464572 1 (87)	The Proceedings of 2018 9th {Third International Congress On Information And Communication Technology, 978-981-13-1164-2, 464572 1 (87)
	Medical Image Enhancement Using Hybrid Techniques for Accurate Anomaly Detection And	International	Journal (Open Access)	Springer Secial Issue in Adanvced Intelegant Systems in Computing)AISC Series	Springer Secial Issue in Adanvced Intelegant Systems in Computing)AISC Series

	Malignancy Predication,"				
	Combining Diffusion Filtering with Super resolution for Abnormity Detection in Medical Images	International	Journal	Book Chapter in Lecture Notes in Computer Science (LNCS) By SPRINGER	Book Chapter in Lecture Notes in Computer Science (LNCS) By SPRINGER
	Template based vdo Search Engine	International	Conference	ISMAC Conference By Springer	ISMAC Conference By Springer
Mrs. Himali Patel	Tomato disease detection using image procesing	International	Journal	International Journal of advanced research in electrical,electronics and instrumentation engineering	International Journal of advanced research in electrical,electronics and instrumentation engineering
Dr. Ranjan Bala Jain	On Stability And Scalability Enhancement in WSN	International	IEEE Conference	IEEE 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2019) January 04-05, 2019	IEEE 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2019) January 04-05, 2019
	Fault Tolerant WSN with One	International	IEEE Conference	IEEE Conference on Circuits and Systems in Digital	IEEE Conference on Circuits and Systems in Digital Enterprise

	Hop Boundary Detection			Enterprise Technology (ICCSDET 2018), December 23-14, 2018	Technology (ICCSDET 2018), December 23-14, 2018
	Application Specific Node Deployment in WSN	International	IEEE Conference	IEEE Global Conference on Wireless Computing and Nteworking (GCWCN 2018), November 23-24 2018	IEEE Global Conference on Wireless Computing and Nteworking (GCWCN 2018), November 23-24 2018
Mrs.Shoba Krishnan	Simulation Based study of Blackhole attack under AODV Protocol	International	IEEE Conference	IEEE 4th conferenceon ICCUBEA,Pune,16th-18th Aug2018	IEEE 4th conferenceon ICCUBEA,Pune,16th-18th Aug2018
	Analysis of malicious behavior of black hole and rushing attack in MANET	International	IEEE Conference	3rd Biennial International Conference on Nascent Technologies in Engineering,FrCIt,Vashi,Jan 4-5 2019	3rd Biennial International Conference on Nascent Technologies in Engineering,FrCIt,Vashi,Jan 4-5 2019
Dr. Nadir N. Charniya	Infrared Thermography and Applications: A Review	International	Conference	IEEE international conference on Communication and Electronic Systems (ICCES-2018), 15-16 Oct 2018, PPG Institute of Technology, Coimbatotre (TN)	IEEE international conference on Communication and Electronic Systems (ICCES-2018), 15-16 Oct 2018, PPG Institute of Technology, Coimbatotre (TN)

	Drunk Driving and Drowsiness Detection Alert System	International	Conference	Proceedings of the International Conference on ISMAC in Computational Vision and Bio-Engineering 2018 (ISMAC-CVB)	Proceedings of the International Conference on ISMAC in Computational Vision and Bio-Engineering 2018 (ISMAC-CVB)
Mrs Manisha Chattopadhyay	Optimization of One Dimensional Photonic Crystal Structure with Light Reflection Characteristics	International	IEEE Conference	International Conference on Trends in Electronics and Informatics 2018, SCAD Engineering College, Tirunelveli, May 2018	International Conference on Trends in Electronics and Informatics 2018, SCAD Engineering College, Tirunelveli, May 2018
	Photonic Crystal based Protective Shield for Medical Treatment with Phototherapy	International	Conference	INTERNATIONAL CONFERENCE ON PHOTONICS, SIGNAL PROCESSING AND COMMUNICATION TECHNOLOGIES, RUAS, BENGALURU, July 2018	INTERNATIONAL CONFERENCE ON PHOTONICS, SIGNAL PROCESSING AND COMMUNICATION TECHNOLOGIES, RUAS, BENGALURU, July 2018

- **Other Achievements**

- **Patent**

Academic Year	Type of User	Patent - Application No	Patent - Application Date	Patent - Name	Patent - Inventor Name	Patent - Description	Patent - (Co-Inventor) If Any	Patent - Status
2018-19		308566	7/8/2018	Obstacle Detection Article for Blinds	Mrs. Shoba Krishnan	Filled under Class No.-10, Subclass No.-06	Mrs. Manisha Joshi	Filled
2018-19		308565	7/8/2018	Obstacle Detection Article for Blinds	Mrs. Shoba Krishnan	Filled under Class No.-29 Subclass No.-02	Mrs. Manisha Joshi	Filled
2018-19		201821042111	8/11/2018	Multiresolution based hybrid for despeckling digital images	Dr. Ramesh Kulkarni		Mrs. Shilpa Joshi	Filled

- **Alumni Interaction**

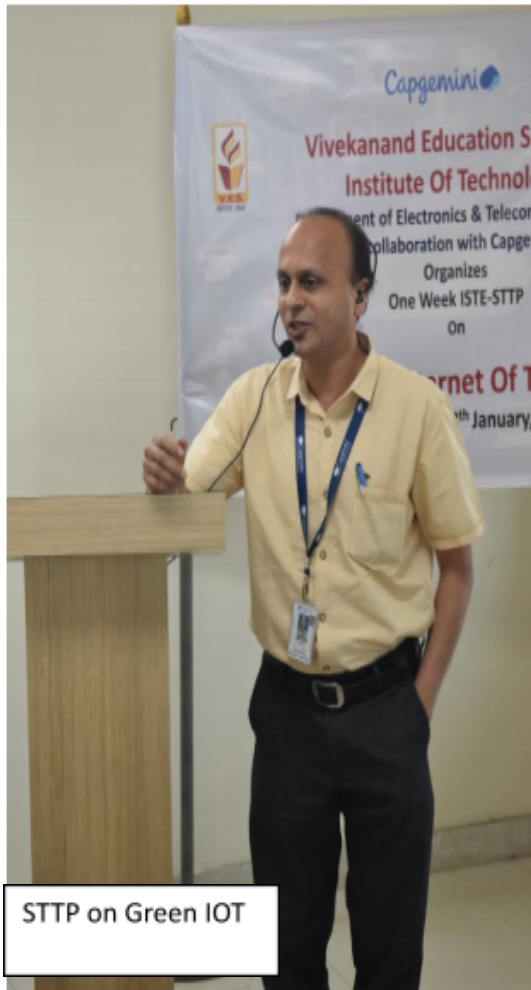
1. A lecture on "Financial Crisis" was conducted on Tuesday, 5th March, 2019 from 8.30 to 10.30.a.m in the Auditorium by EXTC Department Alumni, Mr. Jayesh Kirange.
2. In the month of January 2019, Mrs. Ashwini Sawant had arranged an interactive seminar with the alumni of our department and Avishkar Project competition winners of last year. They have been awarded silver medal from Mumbai University. Mrs. Ashwini Sawant was project mentor of this Avishkar project.

- **Entrepreneurship Initiatives**

VESIT has established an Institution's Innovation Council (IIC), under which various activities and events like: workshops on IPR, Design Thinking etc. have been conducted. In addition to this, Innovative projects developed by the departments have been showcased in the exhibition organised by IIC. Department is also working towards the hardware and software skill development, so as to enable them develop innovative projects. Workshop on coding, Linux, Python and OpenCV have been conducted in this direction. Faculty members have developed low cost digital trainer kits and projects which could be marketed in collaboration with the industries.

- **Photos**





Mr. Manish Tamhankar, Capgemini delivering keynote address



## **STUDENT ACHIEVEMENTS**

- **Competitive Exams for Academic Year 2018-19 :**

Final Year EXTC students have appeared for various competitive exams as follows:

<b>Sr. No.</b>	<b>Exam</b>	<b>No. Of Students appeared</b>
<b>1.</b>	<b>GATE</b>	<b>42</b>
<b>2.</b>	<b>TOFEL</b>	<b>10</b>
<b>3.</b>	<b>CAT</b>	<b>13</b>
<b>4.</b>	<b>GRE</b>	<b>20</b>
<b>5.</b>	<b>MHCET</b>	<b>11</b>



- **Higher studies details for 2017-18 :**

Students got admitted for higher studies in Indian and foreign universities which includes:

<b>Sr. No.</b>	<b>NAME</b>	<b>CLASS</b>	<b>University/ College</b>	<b>Course Name</b>	<b>Placed Status</b>
1	Ajit Krishnamoorthy	D19A	University of Minnesota	MS in Electrical Engineering	Capgemini
2	Piyush Devikar	D19A	Maven Silicon, Bengaluru	Advanced VLSI design and Verification Course	LTI
3	Chinmayee Nitin Purohit	D19A	Carnegie Mellon University	MS in Electrical and Computer Engineering(embedded systems)	Accenture
4	Rohit Sreedhar	D19A	Carnegie Mellon University	MS in Electrical and Computer Engineering(embedded systems)	Accenture
5	Neel Sunil Shanbhag	D19A	North Eastern University	MS in Electrical and Computer Engineering(control system & signal processing)	LTI
6	Pooja Ahuja	D19A	University of Maryland College Park	MS in Telecommunication	Unplaced
7	Malvika Dagdu	D19A	Rutgers University	MS in Information Technology & Analytics	Unplaced

8	Anu Singhal	D19A	ESSEC Business School, France	Masters in Management	Unplaced
9	Raheja Om Kishore Radhika	D19B	University of Colorado, Boulder	Electrical, computer and energy engineering	Accenture
10	AnirudhMadhavanSundararajan	D19B	McMaster University Hamilton, Ontario	Engineering Entrepreneurship and Innovation	Accenture
11	Mohit Ahuja	D19B	Lamar University, Texas	MEM - Engineering management	Unplaced
12	YashSaraf	D19B	State University of New York at Buffalo	Masters in Computer Science and Engineering	Unplaced

● **Workshops/Seminars**

Sr. No.	Conducted by	Course Description	Organized by	Date	Number of days
1.	TINKERERS Lab	Open CV, Python, Raspberry-Pi	EXTC Department, VESIT	23/02/2019, 24/02/2019, 25/02/2019	3 Days
2.	Mr. Yogesh Hudale, Director, Telenetworks Technologies Ltd.	Network Associate Training program	EXTC Department, Placement Cell	22/02/2019, 23/02/2019, 25/02/2019.	3 Days

- **Industry Interactions**

[illegible]

2018-2019 even sem												
COMPANY NAME	COMPANY SECTOR	INCORPORATION STATUS	FIRST NAME	LAST NAME	DESIGNATION	STUDENT DISCIPLINE	LEVEL	DATE OF LECTURE	NO OF STUDENTS ATTENDED	SUBJECT	TOPIC	Subject Teacher
VESIT(Institute)	Intrumentation	Private	Dr.V.M.	Joshi	Adjunct Prof., R & D forum	Electronics Engineering and Allied	Degree	02/26/2019	190	EDC-2	Amplifiers and Signal Generators	Mr. Chintan Jethva, Mr Sanjay Mirchandani, Mrs Nusrat Ansari
BARC	Research	Public	MR. Hitesh	Chaudhari	Scientific officer D.	Electronics Engineering and Allied	Degree	05/03/2019	158	ARWP	Electromagnetic Welding	Mr Sanjay Mirchandani, Dr. C.D. Rawat, Mrs Manisha C.

● **Industrial Visit**

Industry Visit - Company Name	Industry Visit - Location/Venue	Industry Visit - Start Date	Industry Visit - Duration	Industry Visit – Description
1. ISRO, 2. JVS Electronics, 3. HAL (Hindustan Aeronautics Limited) Heritage Centre and Museum	BENGALURU	Jan 01 2019 - Jan 05, 2019	5 Days	<ul style="list-style-type: none"> <li>A short clip of Chandrayaan-I was shown after which a brief highlight of the events planned at ISRO and the different stages of satellite making, the materials used, and the locations where these are made was given. Also the actual making process of Chandrayaan-II was shown.</li> <li>At JVS Electronics, the production line, design section, quality check and quality assurance etc. Sections were visited.</li> </ul>

<b>4. Visvesvaraya Technological Museum</b>				<ul style="list-style-type: none"> <li>Students went through the history of aircrafts and saw models of the aircrafts made by HAL.</li> <li>Science stuff and traversed through history, space, biology, electronics and fun science sections were Visited</li> </ul>
<b>BSNL</b>	YEOR, THANE	27th February 2019	1 Day	It was a one day training which emphasized on brief knowledge on all topics of satellite communication with 2 ½ hour theory seminar and 2 ½ hour practical training.
<b>IIT SAMEER,</b>	MUMBAI	28th February 2019	1 Day	SAMEER was celebrating Open House Day on the occasion of National Science Day on 28th February 2019. The colleges across Mumbai were invited along with the students to have a gist of SAMEER.

● **Project Innovations**

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage
<b>2018-2019</b>					
1	Research project	NMMC	2018-19	1 year	River cleaning robot
2	Research project	AICTE	2018-19		Air quality monitoring and control system using WSN
3	Research project	Mumbai University	2018-19	1 year	Acupressure therapy glove
4	Research project	Mumbai University	2018-19	1 year	Air quality monitoring system for chembur Area
5	Research project	Mumbai University	2018-19	1 year	Infant Incubator intelligent control system

6	Research project	Mumbai University	2018-19	1 year	Smart vehicle for physically challenged people
7	Research project	<i>Mumbai University</i>	<i>2018-19</i>	<i>1 year</i>	<i>Weather monitoring system using communication protocol</i>
8	Research project	Mumbai University	2018-19	1 year	Prototype Design and controller implementation for a battery- ultra capacitor hybrid electric vehicle
9	Research project	Mumbai University	2018-19	1 year	Easy food making machine
10	Research project	Mumbai University	2018-19	<i>1 year</i>	<i>Multi terrain robot vehicle</i>

● **Industry Projects**

Sl. No.	Title of the linkage	Year of commencement	Duration (From-To)	Nature of linkage
1.	SUMMER INTERNSHIP	2018-19	13th June - 7th July, 2018	Digital Design, Wireless Networks, Control System, Embedded System
2.	Winter INTERNSHIP	2018-19	17th Dec, 2018 - 12th Jan, 2019	Digital Design, Wireless Networks, Control System, Embedded System

● **Skill Development Activities**

2018-2019 even sem												
COMPANY NAME	COMPANY SECTOR	INCORPORATION STATUS	FIRST NAME	LAST NAME	DESIGNATION	STUDENT DISCIPLINE	LEVEL	DATE OF LECTURE	NO OF STUDENTS ATTENDED	SUBJECT	TOPIC	Subject Teacher
VESIT(Institute)	Instrumentation	Private	Dr.V.M.	Joshi	Adjunct Prof., R & D forum	Electronics Engineering and Allied	Degree	02/26/2019	190	EDC-2	Amplifiers and Signal Generators	Mr. Chintan Jethva, Mr Sanjay Mirchandani, Mrs Nusrat Ansari
BARC	Research	Public	MR. Hitesh	Chaudhari	Scientific officer D.	Electronics Engineering and Allied	Degree	05/03/2019	158	ARWP	Electromagnetic Welding	Mr Sanjay Mirchandani, Dr. C.D. Rawat, Mrs Manisha C.

● **NPTEL Certification Programs :**

- 388 students have registered for NPTEL course this semester from EXTC Department for courses like: Microprocessors & Microcontrollers, Analog Circuits, etc.
- 16 faculty members from EXTC Department have registered for various NPTEL courses like: Microprocessors & Microcontrollers, Analog Circuits, Modern digital communication techniques, Signals and Systems, Introduction to Research, Enhancing soft skills and personality, Better Spoken English, DBMS, Cryptography and Network Security, Introduction to coding theory, etc.

- **Co-curricular Activities**

- Intra College Activities
- Professional Society Activities

- **Professional societies / chapters and organizing engineering events :**

**CAY 2018-19 :**

CSI – Computer Society of India

IEEE –Institute of Electrical and Electronics Engineers

ISTE – Indian Society for Technical Education

PRAXIS – Intercollegiate technical event

CAY-2018-19					
Sr. No.	Name Of The Society	Name Of The Event	Name of the Student	Date of Event	Achievement
1.	IEEE	ANDROID WORKSHOP	Mrunal Panari	2018-19	Participated
			Akash Pandey		
			Amit Bangani		
			Dhanashri Deokar		
			Saujanya Waikar		
			Samarth Sewlani		
			Shubham Panchal		
			Rajesh Koku		
			Silpa Sankaranarayanan		
			Sharvari Gaitonde		
			Shriya Chavan		
			Abhishek Birajdar		
			Kabir Lulla		



		ANDROID WORKSHOP 2.0	Yah Desai	2018-19	Participated
			Dilip Hingorani		
			Shraddha Shinde		
			Madhura Karadkar		
			Devandra Labana		
			Mohsin Naik		
			Dipali Pathak		
			Vineet Rathish		
			Nikhil Pujabi		
			Vinay		
			Harshal Sawant		
			Harshali Bhalerao		
			Neerav Thakur		
			Saad Shaikh		
			Bhakti Parab		
			Vaibhav Bengle		
			Latesh Kakrai		
			Mrunal Mukund Panari		
			Akash Pandey		
			Amit Bangani		
			Abhidnya Marathe		
			Atharva Narkhede		
			Dhanashri Deokar		
			Varad Mapuskar		
			Yajnesh Shetty		
			Saujanya Waikar		
			Samarth Sewlani		
			Shubham Panchal		
			Rajesh Koku		
			Silpa Sankaranarayanan		

			Sharvari Gaitonde		
			Shriya Ajay Chavan		
			Abhishek Birajdar		
			Kabir Lulla		
			Mohsin Mubin Naik		
			Yash Desai		
			Shreya Swanne		
			Dilip Hingorani		
			Shraddha Shinde		
			Madhura Karadkar		
			Devendrasingh Labana		
			Vidisha Pandey		
			Rajesh Koku		
			Dipali Phatak		
			Amar Pal		
			Sahaj Santani		
			Vineet Rathish		
			Nikhil Punjabi		
			Vinay		
			Atharva Narkhade		
			Harshal Sawant		
			Harshali Bhalerao		
			Neerav Manoj Thakur		
			Saad Shaikh		
			Bhakti Parab		
			Neelam Chaurasiya		
			Vaibhav Bengle		
			Abhishree Phadke		
			Swapnil Satam		

		SELF DEFENCE WORKSHOP	Ankita Mandal	2018-19	Participated
			Shriya Ajay Chavan		
			Saumya Kulkarni		
			Arya Kasulla		
			Rutuja Rakvi		
			Phalguni Shendye		
			Sakshi Yendhe		
			Mrunal Panari		
		SAVE THE EARTH MUN	Aishwarya Patange	11TH FEBRUARY 2019	FIRST
			Adith Nair		FIRST
			Shruti Bondre		SECOND
			Anusha Krishnan		SECOND
		ONLINE TREASURE HUNT	Prithvi Halder	26TH JANUARY 2019	FIRST
			Adith Nair		SECOND
		QUIZZARD	Sagar Bhojane	24TH JANUARY 2019	FIRST
			Tushar Rao		FIRST
			Pradeep Gurbani		THIRD
			Manasi Berde		THIRD
			Abhijit Kothawade		THIRD
		CASE CLOSED	Anand Lathi	26TH SEPTEMBER 2018	THIRD
			Bhakti Parab		THIRD
			Anisha Patnaik		THIRD
		COMFLICT	Shivam S	28TH-29TH JANUARY 2019	THIRD
2.	ISTE	TPP	Antara Joshi	2018-19	Second
		Group Discussion	Madhura Karadkar	2018-19	Third
		Around the World	Madhura Karadkar	2018-19	First
			Rashmita Bangera		First

			Tanisha Bhola		First
		Techtrix	Bhakti Patil	2018-19	First
			Akshata More		First
			Samarth Sewlani		First
		Notice the Unnoticed	Pratik Pathak	2018-19	Third
			Shivam Singh		First
		Placement Week	Shefali Shetty	2018-19	First
			Shivam Singh		Third
		Techtrix	Riya Thomas	2018-19	Second
			Arunashaju		Second
			Kalyani Lakkanige		Second
			Rushabh Vora		Third
			Aman Yadav		Third
			Siddhesh Patil		Third
		Photoshop Workshop	S Rahul	2018-19	First
		Technical Debate	Shubham Annigeri	2018-19	First
			Tejaswani		First
		Math and Logic	Rushabh Vora	2018-19	First
			Aman Yadav		First
			Siddhesh Patil		First
			Ayush Pattiwar		Third
3.	CSI	Machine Learning	Tejaswani	2018-19	Participated
		GitHub	Sakshi Gawande	2018-19	Participated
			Arun Pillai		
			S . Raahul		
			Yash Aswani		
		IRC	Yash Aswani	2018-19	Participated
		Laravel	Yash Aswani	2018-19	Participated

		Python	Mrunal Prakash Tambat	2018-19	Participated
			Arun Pillai		
			Atharva Joshi		
			Rujuta Kherdekar		
			Sakshi Ashok Gawande		
			Vaishna Vidaber		
			Ashwin Selvarangan		
			Snehith Sachin		
			Juhiajwani		
		LAN-CSGO	Atharva Joshi	2018-19	Second
		LAN-CSGO	Arun Pillai	2018-19	Second
		LAN-FIFA	Mohittembe	2018-19	First
		LAN-CSGO	Tejas Wani	2018-19	Second
		Amazing Race	Akshay Khanna	2018-19	Second
			Janhavi Bhagat		Second
			Ritika Raj		Second
			Shubham Gupta		Second

o Extra-curricular activities

**Participation in Inter College Competitions**

**EVEN SEM 2018-19**

Sr.No.	Date	Project Title	Competition Name	Details	Venue	Students Names	Mentor	Prize Won
1	30/03/2019	Air Pollution Monitoring using Wireless Sensor Network with Low cost mote	Netra 2k19	National Level Science Competition	Usha Mittal Institute of Technology	Shreyas Padate, Shubham Annigeri, Shubham Madhavi, Sunit Raut	Dr.Saylee Gharge Mr.Ajinkya A.Valanjoo	1st Prize
2	30/03/2019 and 31/03/2019	Ear Biometric Techniques: A Comparative Approach	RACEM (Recent Advances & Challenges in Engineering and Management )	Best Paper Presentation	Vidyalankar Institute of Technology	Tejal Nanaware, Siddharth Nandargi, Kavya Parag, Neha Pote	Dr. Chandan Singh Rawat	1st Prize
3	02/10/2018	Human Recognition System using Ear biometrics	Research Under Literal Access International Awards (RULA Awards)	<i>International awards , International award ceremony, 2018</i>	Tamilnadu	Rahul Datir, Deepak Desai, Hitesh Balani, Kashmira Raskar	Mrs. Rasika B. Naik	

4	02/02/2019	Air Pollution Monitoring using Wireless Sensor Network with Low cost mote	LBS Round-2	Project Competition	Round -2 (RAIT)	Shreyas Padate, Shubham Annigeri, Shubham Madhavi, Sunit Raut	Dr.Saylee Gharge , Mr.Ajinkya A.Valanjoo	
4	02/03/2019	Air Pollution Monitoring using Wireless Sensor Network with Low cost mote	LBS Round-3	Project Competition	round 3(Somaiya).	Shreyas Padate, Shubham Annigeri, Shubham Madhavi, Sunit Raut	Dr.Saylee Gharge , Mr.Ajinkya A.Valanjoo	

### Participation in Intra College Competitions

#### EVEN SEM 2018-19

Sr. No.	Date	Project Title	Competition Name	Details	Students Names	Mentor	Prize Won
1	02-Feb-19	Air Quality monitoring System using Wireless Sensor Network with Low-Cost Mote	LBS Round1 -(VESIT)	Project competition	Shreyas Padate, Shubham Annigeri, Shubham Madhavi, Sunit Raut	Dr.Saylee Gharge , Mr.Ajinkya A.Valanjoo	Qualified
2	10/10/2018	Air Quality monitoring System using Wireless Sensor Network with Low-Cost Mote	Avishkar	Project competition	Shreyas Padate, Shubham Annigeri, Shubham Madhavi, Sunit Raut	Dr.Saylee Gharge , Mr.Ajinkya A.Valanjoo	1st Prize
3	02-Feb-19	SMART PARKING SYSTEM	LBS	Project competition	Aaryaa Padhyegurjar, Nikita Patel, Vaidehi Phaltankar, Sayli Sawant	Mrs. Nusrat Ansari	2nd Runner Up

- **Photos**



**Industry Visit to HAL**





**Industry Visit to Visvesvaraya Technological Museum**



**Industry Visit to IIT SAMEER**





EDC II SEL







**Avishkar project "Air Pollution Monitoring using Wireless Sensor Network with Low-Cost Mote"**



SMART PARKING SYSTEM